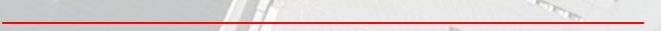
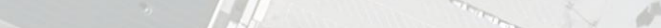



1. THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.
2. HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, U.S. FOOT.
3. VERTICAL REFERENCE - MEAN LOWER LOW WATER, WHICH IS 2.98' BELOW N.A.V.D. 88. GEOID 09 AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED.
4. SOUNDINGS ARE EXPRESSED IN FEET & TENTHS AND REFER TO MEAN LOWER LOW WATER.
5. SOUNDINGS WERE SELECTED FOR PLOTTING PURPOSES ONLY, USING THE MINIMUM DEPTH WITHIN A SEARCH RADIUS OF 18'.
6. CONTOURS DEPICT ACTUAL LOCATION OF BATHYMETRY AND DO NOT NECESSARILY REFLECT PLOTTED SOUNDING LOCATIONS.
7. CONTOURS WERE GENERATED USING THE MINIMUM DEPTH WITHIN A SEARCH RADIUS OF 18'.
35' CURVE OF DEPTH SHOWN THUS : 
38' CURVE OF DEPTH SHOWN THUS : 
8. HYPACK, INC. SOFTWARE WAS USED TO PERFORM THE SOUNDING SELECTION AND CONTOUR GENERATION.
9. THE INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
10. THE POSITIONS OF THE AIDS TO NAVIGATION ARE PROVIDED FOR INFORMATION ONLY, AND SHOULD NOT BE USED FOR NAVIGATION.
11. THE LIMITS OF THE FEDERAL CHANNEL DEPICT THE MOST CURRENT CHANNEL FRAMEWORK AVAILABLE WHICH CAN BE DOWNLOADED HERE: <http://navigation.usace.army.mil/survey/framework>
12. BASE MAPPING LINENWORK OR ORTHOPHOTOGRAPHY HAS BEEN COMPILED FROM A VARIETY OF SOURCES AND DATES AND IS INTENDED TO PORTRAY GENERAL CHARACTERISTICS OF THE SHORELINE AND OTHER FEATURES. TEMPORAL CHANGES MAY HAVE OCCURRED SINCE THIS DATASET WAS COLLECTED AND SOME PARTS OF THE DATA MAY NO LONGER BE AN ACCURATE REPRESENTATION OF THE SURFACE CONDITIONS.

LEAD LINES SOUNDINGS			
POSITION NO.	MACHINE SDGS	LIGHT LEAD	HEAVY LEAD
01			
02			
03			
04			
05			
06			
07			



US Army Corps of Engineers
Philadelphia District

PROCESSED BY: MAG	DESIGNED BY: MAG	REVIEWED BY: MAG	APPROVED BY: MAG	FILE NAME: 10000000
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT WWW.USACE.DISTRICT.MIL	CONTRACT NUMBER: 191073380	SURVEY DATE: 22 NOV 18	PLOTTED BY: MAG	DATE: 10/26/2018

CHRISTINA RIVER DE
WILMINGTON HARBOR
EXAMINATION
STAD-000 TO STAD-236.8

SHEET NUMBER
V-100